

Harbor Soaring Society at Fairview Park City of Costa Mesa, California

(Once Known As The Max Freed Memorial Field)

A presentation made to the:
Fairview Park Citizens' Advisory Committee
City of Costa Mesa, California
August 19, 2013

Topics to be presented:

Harbor Soaring Society (HSS) History

Statistics and Membership

Current Flying Field Operations

Community Benefits



Founded 1964

First AMA Chartered Soaring Club

Silver Leader Club 2009

Gold Leader Club 2011



Harbor Soaring Society at Fairview Park

★ History ★

- Club Founded with 10 members, in 1962.
- Model Flying Started at Fairview Park in 1963.

Quote from club founder...

“From about 1963 on, we would also fly the bluff at the Fairview field, as a change of scenery and for variety of flying. There was no park there and the land belonged to the State of CA. The field was gigantic because Placentia Ave. did not cross it, so Fairview State Hospital was the east edge of the open field (hence we called it the Fairview site) and the two schools were not built yet...”



Harbor Soaring Society at Fairview Park

★ *History* ★

- In the Early Years, all Flying was Done off the Bluffs.



Harbor Soaring Society at Fairview Park

★ History ★

➤ Winch Lofted “Thermal Flying” becomes Popular in the 1980’s.

Quote from club founder... “We also started using the Fairview field for thermal flying when we discovered how good it could be at times. When Estancia High School was built we used the big grassy field there for thermal flying until more facilities made that unusable. By this time most competitive flying was thermal flying and not slope soaring and the club had become a mostly thermal soaring group so we dropped the word “slope” from the club name...”



Harbor Soaring Society at Fairview Park

★ *History* ★

- 1993 Talbert Regional Park is Created...
- Early 2000, Trees are Planted at Base of the Bluffs. End of an Era!

The Planting of trees, blocks the Westerly wind, which created slope lift for the gliders !



Harbor Soaring Society at Fairview Park

★ *History* ★

- September 2005, Harbor Soaring Society Plans and Develops a Runway.
- Beginning of a New Era... Electric Powered Aircraft !



Harbor Soaring Society at Fairview Park

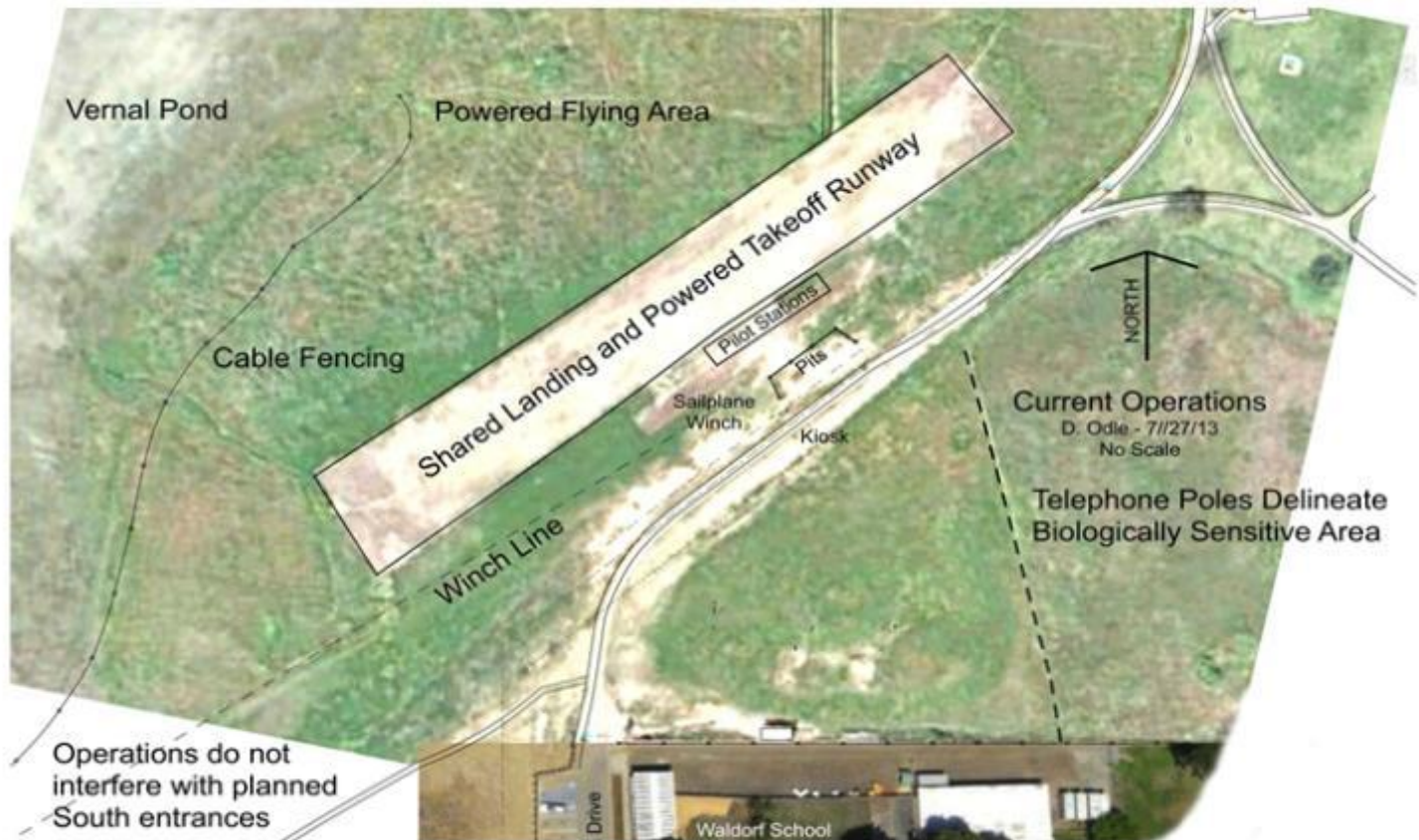
★ *Statistics and Membership* ★

- ✧ Club Founded: 1962 – RC glider flying off the bluffs at Fairview Park.
- ✧ Estancia High School is built in 1962. HSS members start flying winch lofted “Thermal” gliders off the running track on the weekends.
- ✧ Year 1964 - HSS receives it’s AMA charter. In time, the HSS becomes the oldest AMA chartered model soaring club in the United States.
- ✧ Year 2000 - planting of trees in Talbert Regional Park, reduces bluff lift. “New Era” for Harbor Soaring Society.... 2005, Electric aircraft and birth of a runway!
- ✧ Number of paid HSS members ~ 85+
- ✧ Number of non – HSS members using the runway: Approximately 180.
- ✧ Current club Dues: \$20 per year – All members must hold AMA membership, plus pay required city permit of \$25.
- ✧ The HSS is not aware of any safety or injury issues, as a result of its flight operations.
- ✧ HSS operations actively occupy approximately 1.2 acres of park land out of the 208 acres of total park acreage, or approximately 0.5%. HSS believes the benefit gained within the community outweighs any negative impacts imposed on the park land.

Harbor Soaring Society at Fairview Park

★ *Current Flying Field Operations* ★

- ✧ Runway Area – 0.9 Acres, Ancillary Areas (Pits, Pilot Stations, Sailplane Launch Area) - 0.3 Acres.
- ✧ A total of 1.2 Acres, or 0.5% of the 208 total acres within Fairview Park.



★ Harbor Soaring Society at Fairview Park ★

Current Flying Field Operations - AMA Membership

✧ **The Harbor Soaring Society is first AMA chartered Soaring Club in the United States.**

✧ Silver Leader club since 2009.

✧ Gold Leader Club since 2011.

✧ Affiliation with Academy of Model Aeronautics... non-profit organization dedicated to the promotion of model aviation. It is the largest organization of its kind in the world... with a current membership of more than 150,000 members.

✧ All AMA members must fly by strict safety guidelines and best practices.

✧ All AMA members are covered by **\$2.5 million liability insurance.**

Harbor Soaring Society at Fairview Park



Current Flying Field Operations



- ✧ **Rules in accordance with AMA regulations**, modified to suit local conditions as imposed by the HSS. Rules are posted at the field for instruction of new fliers.
- ✧ Extensive flight training program to maintain flight proficiency.
- ✧ HSS members, when present, offer oversight of flight operations.
- ✧ Constant stewards of the Fairview Park land made available to its members and guests for model airplane flying at no cost to the city.
- ✧ E-blasts are sent to all HSS members regarding flight. restrictions, field closures, NOTAMS, city events, HSS events and work parties. The ability to notify all non-HSS flying permit holders would greatly enhance this communication opportunity.

Harbor Soaring Society at Fairview Park

★ *Community Benefits* ★

- ✧ HSS maintains the flying field and associated equipment at no cost to the city or any cost to those permitted fliers not members of the club.
- ✧ All users of the field pay a city permit fee of \$25 per year. It is estimated that provides ~ \$6,600 income to the city.
- ✧ Adult presence in the park reduces crime, and policing cost to the City.
- ✧ HSS contributes to the environs through its continuing park cleanup events and has provided volunteers to install park signage along the many park trails... and looking forward to doing more.
- ✧ HSS has no desire to expand its operations and is **opposed** to paving any portion of the park land under its use.
- ✧ HSS offers the aviation experience, sometimes known as “the miracle of flight”, to all ages of participants including those now retired (senior citizens) to the many youth that stop by with their parents. Flight training is encouraged and provided at no cost.

Harbor Soaring Society at Fairview Park

★ *Community Benefits – Youth Participation* ★

Construction of HSS Kiosk

Boy Scout Troop 711 hard at work ! Team effort at it's Best !



★ Harbor Soaring Society at Fairview Park *Community Benefits – HSS Sponsored Events* ★

The Fairview Park Friends Committee
and the City of Costa Mesa
invites the community to:

The 3rd Annual Park-O-Rama

Coinciding with the last
concert of the summer
series featuring
"The Answer."

August 10
Festivities begin - 5:30 p.m.
Concert begins - 6:15 p.m.

The event will include:

- Kite and glider plane demonstrations
- Exhibits by the Harbor Soaring Society,
the Orange County Model Engineers,
and the Costa Mesa Historical Society
- A 50-50 opportunity raffle drawing
- Barbecued burgers, hot dogs,
beverages and other treats

Proceeds will benefit the
Fairview Park implementation plan.

For further information, please contact
the Fairview Park Friends Hotline at (714) 754-5698
or visit www.cnfairviewpark.org



FREE! *Coffee and Donuts*



**8am Saturday,
November 12, '11**

Fairview Park Cleanup

**Volunteer for 1/2 day
Community Service**

*Meet at the covered picnic tables
near the south end of the park*

**Sponsored by:
Harbor Soaring Society
OC Engineers - Model RR Club**

Harbor Soaring Society at Fairview Park

★ *Community Benefits – HSS Installation of Park Signage* ★



★ Harbor Soaring Society at Fairview Park
Community Benefits – HSS Installation of Park Signage ★



Harbor Soaring Society at Fairview Park

★ Community Benefits – HSS Installation of Park Signage ★

HSS ACTIVITIES: And We Actually Do Real Work, No Cost To City



Thanks To E-blast & Dedication, Big Group For Park Cleanup



Digging Post Holes For Park Signs



Many Loads Of Trash, General Director Henry, Son and VP Jesse In The Thick Of Things!

★ Harbor Soaring Society at Fairview Park *Community Benefits – HSS Aerial Photography* ★



Aerial photo taken to assist the Orange County River Park Committee, determine degree of storm water intrusion into “Wetlands” adjacent to HB power plant.



Aerial photo taken to document completion of water features in North end of Fairview Park.

Harbor Soaring Society at Fairview Park

★ Community Benefits – Flight Training at The OC Fair ★



Happy Family Flying Simulator



Teaching the basics of Flight



Mike Fox Making Lady Smile



Young Man Concentrating !

Harbor Soaring Society at Fairview Park

★ *Community Benefits – Introduction to the Miracle of Flight* ★



Harbor Soaring Society at Fairview Park

★ *Community Benefits – A Hobby that Lasts a Lifetime !* ★



Frank Colver, A Founder, Dedicated !



A Waldorf Mom Flying The Simulator



Ground School Over... Time to Fly!



A Hobby for Kids of All Ages !

Harbor Soaring Society at Fairview Park

★ *Community Benefits – Respect for the Environment* ★



HSS members probably spend more time in Fairview Park than any other constituent group. As such, we are keenly aware of the unique and fragile ecology therein.

To better educate ourselves... we on occasion, invite local experts to our monthly lecture series.

★ Harbor Soaring Society at Fairview Park ★

Community Benefits – Respect for the Environment

Gliders sharing a thermal
with White Pelicans...
thanks good friends, soaring
is a joy... (Fear not, they are way
above the gliders, so no interference
involved)



★ Harbor Soaring Society at Fairview Park ★ *Community Benefits – Educational Outreach*

- American Universities are producing fewer and fewer engineers.
- Airline pilots are retiring in greater numbers now, than any time in history!



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National News

Airline industry experiencing pilot shortage

Monday, November 12, 2012

FAOJ: airline, faa, national news, rob hayes

Rob Hayes

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IRVINE, Calif. (KABC) — As the holiday travel crunch approaches, there's a potential crisis for America's airlines. They're facing a very serious shortage of pilots. And new regulations make it tougher to hire more of them. The airlines are facing the worst pilot shortage in half a century, with higher experience requirements and retirement largely to blame.

To keep airline ticket prices low, airlines have cut into pilot salaries and benefits — so much so that aviation experts say that the "glory days" of being a pilot are gone, and now fewer people are interested in flying for a living.

Even though commercial airline cabins may be getting more crowded these days, it's another story in the cockpit. Federal Aviation Administration officials and airline experts say in just a few years, airlines will be running short of qualified pilots.

"I think it has the potential to be a very, very big deal," said aviation expert and former pilot Bob Schaff. "There are going to be a lot more airframes and a lot fewer pilots available to fill them."

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OPINION

Pilot shortage looms for airlines

By Charisse Jones, USA TODAY 5:28 p.m. EST January 6, 2013

A wave of retirements and new FAA requirements could make it hard for airlines to find enough pilots, especially if travel picks up.

(Photo: Dave Martin, AP)

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Some U.S. airlines may see a pilot crunch as soon as this year, as thousands of pilots start to retire and new rules requiring extra training and more rest start to kick in, some aviation analysts say.

As the economy slowly improves, potentially increasing the desire by Americans to travel, a wave of pilots is reaching the federally mandated retirement age of 65. They'll be walking out the door just as it gets harder for a new crop of pilots to walk in because of new rules set to begin in August that require co-pilots to have as many flight hours as captains before they can work in a cockpit.

STORY HIGHLIGHTS

- New rules make it harder to become a co-pilot
- U.S. airlines estimated to need about 8,000 new pilots a year

Huge Airline Pilot Shortage Looms

HIRING CRISIS EXPECTED TO BE WORST IN 50 YEARS

By Rob Quinn, Newser Staff

Posted Nov 12, 2012 12:27 AM CST

STORY COMMENTS (24)

Anybody know how to fly this thing? (Shutterstock)

93 4 0 51

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MY TAKE ON THIS STORY

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9% 3% 50%

(NEWSE) — America's airlines are going to run out of pilot to fly their planes very soon unless action is taken, experts warn. More than half of American pilots are over 50 and there are not going to be enough qualified candidates to replace the thousands of pilots who will reach the mandatory retirement age of 65 in the near future, the *Wall Street Journal* reports. Hiring will be further complicated next summer by new federal regulations requiring newly hired pilots to have at least 1,500 hours of flying experience—six times the current requirement.

New rules mandating more rest time for pilots will take effect in 2014, forcing airlines to boost pilot numbers by around 5%. "We are about four years from a solution, but we are only about six months away from a problem," a consultant on pilot-hiring trends warns. The pilot crisis is expected to be the worst since the 1980s, and experts believe the effects will be felt first at small, regional airlines that will have their pilots poached by major carriers. The smaller carriers "will be creative and have to take shortcuts," an aviation safety consultant says.

Got the need for speed? US Air Force looking for fighter pilots as interest in career wanes

From POST STAFF REPORT

Last Updated: 11:32 AM, July 23, 2013

Posted: 11:31 AM, July 23, 2013

The fourth U.S. Air Force F-35A Lightning II aircraft arrives at the 422nd Test and Evaluation Squadron at Nellis Air Force Base, Nevada in this April 24, 2013. REUTERS

It used to be every teen's dream job — speed, adventure, glamor all rolled into one — but the Air Force is struggling to keep fighter pilots in jets at bases across the world.

★ Harbor Soaring Society at Fairview Park ★

Community Benefits – Educational Outreach

- During its 50+ years existence... the members of the Harbor Soaring Society have spent countless hours instructing the next generation of engineers and pilots...



HSS member John Anderson, teaching the “next generation” of Engineers !



Future pilot looking skyward, success !

★ Harbor Soaring Society at Fairview Park ★ *Community Benefits – Educational Outreach*

HSS members... Fred Hesse, John Anderson, Joni Whittset, Dick Baxter and others spend quality time teaching local students the elements of aircraft design !



Davis, Whittier and Wilson schools have all benefited from HSS taught aeronautical programs.

STEM (**S**cience – **T**echnology – **E**ngineering – **M**athematics)

HSS members are also actively pursuing the creation of STEM curricula for local High Schools.

Late News: Estancia High School, has confirmed they are “on-board ” with our proposed STEM-BASED DBF program !

★ Harbor Soaring Society at Fairview Park ★ *Community Benefits – HSS Educational Outreach*

HSS Member - Richard Odle, is liaison and mentor to the first place finishing UCI, Design Build Fly team !



The American Institute of Aeronautics foundation Design-Build-Fly (DBF) competition provides students an opportunity to design and build a radio controlled aircraft to perform specific missions.

Harbor Soaring Society at Fairview Park

Community Benefits – HSS Educational Outreach



The UCI 2012/2013 DBF Team
Briefing Our Membership On Their
Success, First Overall at the AIAA
World Heavy Lift Competition Out Of
80 Teams Entered, Kudos !



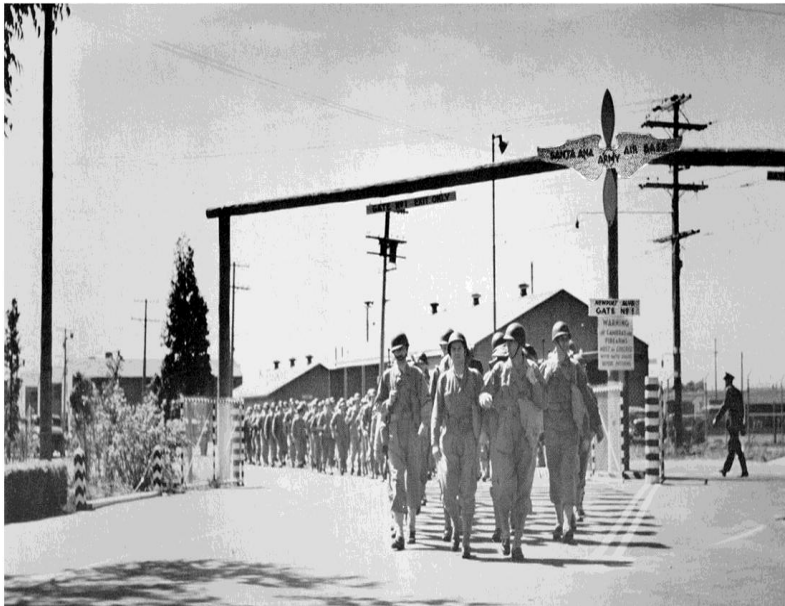
Harbor Soaring Society at Fairview Park

★ *Community Benefits – History* ★

In the mad rush of present day life, it's easy to forget the history and the contributions of our little town... Costa Mesa !

In 1942, the land we are standing on, was the Santa Ana Army Airbase... Vital to the US war effort. In the 60's, 70's, and 80's, Orange County was a major location for aerospace companies... and their contributions to the space race and our national defense.

Much has change... but for 50 years the Harbor Soaring Society has endured, and inspired the next generations for careers in aerospace and aviation!



As the sun sets at Fairview Park... So must the sun set on our presentation. The Harbor Soaring Society recognizes that our presence at Fairview Park is a privilege, not a right... Our membership is profoundly thankful to the citizens of Costa Mesa for the 50 years you have allowed us to call Fairview Park, our home.

